

JUL 11 2005

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By Gina M. Maida  
Gina M. Maida  
Dated: July 8, 2005

2151  
JFM

Patent  
Atty. Docket: J355-037 US

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant : Masaki Kyojima et. al.  
Serial No. : 10/014,362  
Filing Date : December 11, 2001  
Examiner : Phillips, Hassan A.  
Group Art Unit : 2151  
For : Access Privilege Authentication of Client Computer for Services Provided by Server Computer

Mail Stop AMENDMENT  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

INFORMATION DISCLOSURE STATEMENT

Sir:

This Information Disclosure Statement is submitted:

- [ ] Under 37 C.F.R. 1.129(a), or  
(First/Second Submission after Final Rejection)
- [ x ] Under 37 C.F.R. 1.97(b), or  
(Within any one of the following time periods: three (3) months of filing national application, other than a CPA, or date of entry of the national stage in an international application; or before the mailing date of a first official action on the merits in a non-provisional application, including a CPA; or a Request for Continued Examination (RCE)
- [ ] Under 37 C.F.R. 1.97(c), together with either:
- [ ] Statement under 37 C.F.R. 1.97(e), as checked below, or
- [ ] Fee of \$180.00 under 37 C.F.R. 1.17(p), or  
(After the 37 C.F.R. 1.97(b) time period, but before Final Office Action or Notice of Allowance, whichever issues first)

[ ] Under 37 C.F.R. 1.97(d), together with:

[ ] Statement under 37 C.F.R. 1.97(e), as checked below, and

[ ] Fee of \$180.00 under 37 C.F.R. 1.17(p), or  
(Filed after Final Office Action or Notice of Allowance, whichever issues first,  
but on or before payment of Issue Fee)

[ ] Under 37 C.F.R. 1.97 (i):

Applicant respectfully requests that the I.D.S. and cited reference(s)  
be placed in the application file wrapper (Filed after payment of Issue Fee).

**Statement Under 37 C.F.R. 1.97(e):**

- [ ] Each item of information contained in this Information Disclosure Statement was first cited in any communication from a foreign Patent Office in a counterpart foreign application not more than three (3) months prior to the filing of this Information Disclosure Statement; or
- [ ] No item of information contained in this Information Disclosure Statement was cited in a communication from a foreign Patent Office in a counterpart foreign application, and, to the knowledge of the undersigned, after making reasonable inquiry, no item of information contained in the Information Disclosure Statement was known to any individual designated in 37 C.F.R. 1.56(c) more than three (3) months prior to the filing of this Information Disclosure Statement.

**Statement Under 37 C.F.R. 1.704 (d) - (Patent Term Adjustment):**

(Applies to original applications, other than designs, filed on or after May 29, 2000)

- [ ] Each item of information contained in the Information Disclosure Statement was cited in a communication from a foreign Patent Office in a counterpart application and this communication was not received by any individual designated in §1.56(c) more than thirty (30) days prior to the filing of the Information Disclosure Statement.

**Enclosed Herewith is Form PTO-1449, and:**

- [ x] Copies of the cited references are enclosed.
- [ ] Copies of the cited references are enclosed, except those entered in prior application, U.S. Serial No. \_\_\_\_\_, to which priority under 35 U.S.C. 120 is claimed (The earlier application contains copies of the cited references).
- [ ] The listed references were cited in the enclosed International Search Report in a counterpart foreign application.
- [x ] The "concise explanation" requirement (non-English reference) for Reference(s) b, c and d under 37 C.F.R. 1.98(a)(3) is satisfied by:
- [ x] the explanation provided on the attached sheet;
- [ ] the explanation provided in the specification;
- [ ] submission of the enclosed International Search Report; or
- [ x] the enclosed English language Abstract.
- [ ] Applicant requests that the following pending applications be considered:

U.S. Patent/Application No. \_\_\_\_\_, filed/issued \_\_\_\_\_

U.S. Patent/Application No. \_\_\_\_\_, filed/issued \_\_\_\_\_  
U.S. Patent/Application No. \_\_\_\_\_, filed/issued \_\_\_\_\_

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Examiner

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Date

- [ ] A copy of each above-cited application, including the current claims, is enclosed.
- [ ] A copy of each above-cited application, including the current claims, is enclosed, except those entered in prior application Serial No. \_\_\_\_\_, to which priority under 35 U.S.C. 120 is claimed.

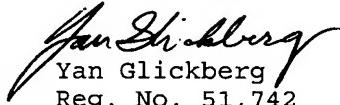
The Examiner is respectfully requested to return a copy of the above list of pending applications indicating which references were considered with the next Official Action.

Further, it is respectfully requested that the information disclosed herein be made of record in this application.

Method of Payment:

- [ ] A check for the fee noted above is enclosed.
- [ ] Please charge our deposit account No. 14-1431.
- [XX] The Commissioner is authorized to charge any deficiency in payment of fees and credit any overpayment to our Deposit Account No. 14-1431.

Respectfully submitted,

  
Yan Glickberg  
Reg. No. 51,742  
Attorney for Applicant(s)  
(845) 359-7700

Dated: July 8, 2005

NOTARO & MICHALOS P.C.  
100 Dutch Hill Road, Suite 110  
Orangeburg, NY 10962-2100



Prior Art Information for IDS (10/014,362)

The following publications were newly cited by the examiner during examination for the priority Japanese Patent Application No. 2001-3603 in Japan.

The examiner states in the office action dated May 11, 2004 as follows.

The paragraph 0002 of the specification of Japanese Published Unexamined Patent Application (JPUPA) 11-234263 discloses RSA cryptography based verification system wherein a verifier submits a challenge to a prover, which in turn enciphers the challenge with a private key to produce a response and return it to the verifier, which verifies the response using a public key corresponding to the private key.

The paragraphs 0010 and 0011 of the specification of JPUPA 11-31204 disclose an authentication system wherein "ticket" is used to produce a response.

The paragraph 32 of the specification of JPUPA 11-175474 discloses a Web system wherein a user access for a Web page or a group of Web pages is authenticated to let the user to browse the page or pages.

(1) Japanese Published Unexamined Patent Application 11-31204

Published on February 2, 1999

Counterpart United States Patent 6,690,794

PROBLEM TO BE SOLVED:

To make illegal use by forgery or duplication extremely difficult, to certify the content of a ticket to a third person, and to maintain the anonymity of a user at the time of using the ticket in an electronic ticket using environment.

SOLUTION:

A ticket preparing part 4 of a ticket preparing and issuing device 1 prepares the specification of a ticket corresponding to a prescribed service or article based on a ticket preparation request. A ticket issuing

part 5 issues a corresponding ticket by inputting a ticket identifier, certifier identifier, ticket specification identifier, and ticket additional information based on a ticket issue request. A ticket certifying device 2 holds the ticket issued by the ticket issuing part 5, and certifies the holding of the ticket by communicating with a ticket verifying device 3. The ticket verifying device 3 holds the ticket identifier and a ticket verification procedure prepared by the ticket preparing means 4, and operates the verification of the ticket by communicating with the ticket certifying device 2.

(2) JPUPA 11-175474

Published on July 2, 1999

PROBLEM TO BE SOLVED:

To leave access history for every individual by embedding a one time password in the HTML page of user service dynamically generated in the case of an effective log in state.

SOLUTION:

A login manager demon searches a database and confirms a user ID and the registration of a password on a password management processing part. In the case of a registration user, a one-time password is generated by a one time password issue processing part then the user ID and the one-time password are related to each other and registered in an active matrix that is managed by a log in manager demon process to perform periodic check by an active list supervisory timer. The result is given to a process, a page processing function of a CGI processing part is carried out, maintaining a one time password in the case of the registered user, service is offered to an actual user and only the one time password is embedded in a hidden attribute of a HTML of a page to be returned and is returned.

(3) JPUPA 11-234263

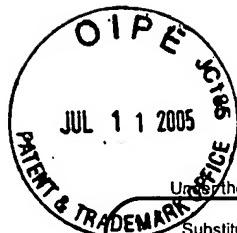
Published on August 27, 1999

PROBLEM TO BE SOLVED:

To provide a mutual authentication suitable for a device of low arithmetic capacity.

SOLUTION:

A testifier 101 generates a commitment (w) and sends it to a verifier 111. The verifier 111 sends challenges S,  $\mu$  and  $r'$  to the testifier 101 and calculates an index  $g=h(r', \mu)$  for verification while using a unidirectional hash function (h) shared with the testifier 101. The testifier 101 verifies S while using disclosed information, further generates an index  $g'=h(r', \mu)$  for verification while using  $r'$ ,  $\mu$  and (h), generates response generation information  $y' \leq rF(d, L, It)g' \bmod n$  while using a unidirectional hash function F shared with a center 121, further generates a response  $y \equiv y' \bmod n$  while using the index  $g'$  for verification and sends it to the verifier 111. The verifier 111 generates verification information  $w' \equiv JAgEyv \bmod n$  while using disclosed testifier information JA or the like of the testifier 101 and compares it with the commitment (w).



JUL 11 2005

PTO/SB/08A (04-03)

Approved for use through 04/30/2003. OMB 0651-0031

Approved for use through 06/30/2006. GPO 2001-003.

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**Substitute for form 1449/PTO**

## **INFORMATION DISCLOSURE STATEMENT BY APPLICANT**

**(Use as many sheets as necessary)**

|  |   |                          |                     |
|--|---|--------------------------|---------------------|
| Substitute for form 1449/PTO   |   | <b>Complete if Known</b> |                     |
| <b>INFORMATION DISCLOSURE<br/>STATEMENT BY APPLICANT</b><br><i>(Use as many sheets as necessary)</i> |   | Application Number       | 10/014,362          |
|  |   | Filing Date              | December 11, 2001   |
|  |   | First Named Inventor     | Masaki Kyojima      |
|  |   | Art Unit                 | 2151                |
|  |   | Examiner Name            | Phillips, Hassan A. |
| Sheet  | 1 | of                       | 1                   |
|  |   | Attorney Docket Number   | J355-037 US         |

| FOREIGN PATENT DOCUMENTS |                       |   |                                |  |   |
|--------------------------|-----------------------|---|--------------------------------|--|---|
| Examiner Initials*       | Cite No. <sup>1</sup> | Foreign Patent Document   | Publication Date<br>MM-DD-YYYY | Name of Patentee or<br>Applicant of Cited Document | Pages, Columns, Lines,<br>Where Relevant Passages<br>Or Relevant Figures Appear |
|                          |                       | Country Code <sup>3</sup> ~ Number <sup>4</sup> ~ Kind Code <sup>5</sup> (if known) |                                |  |   |
|                          | b                     | JP 11-31204   | 02-02-1999                     | Terao, Taro  |   |
|                          | c                     | JP 11-175474  | 07-02-1999                     | Masao, Tanaka                                      |   |
|                          | d                     | JP 11-234263  | 08-27-1999                     | Koji, Suzuki                                       |   |
|                          |                       |   |                                |  |   |
|                          |                       |   |                                |  |   |
|                          |                       |   |                                |  |   |

|                       |  |                    |  |
|-----------------------|--|--------------------|--|
| Examiner<br>Signature |  | Date<br>Considered |  |
|-----------------------|--|--------------------|--|

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.<sup>1</sup> Applicant's unique citation designation number (optional).<sup>2</sup> See Kinds Codes of USPTO Patent Documents at [www.uspto.gov](http://www.uspto.gov) or MPEP 901.4.<sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3).<sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document.<sup>5</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible.<sup>6</sup> Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, Washington, DC 20231.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.